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TITLE: CONTROL METHOD FOR NETWORK
FACSIMILE EQUIPMENT
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H04N001/21 , H04N001/32

ABSTRACT:

PROBLEM TO BE SOLVED: To prevent the illegal use of an user provided without utilization right by transmitting image information contained in received electronic mail to a designated facsimile equipment, only when the domain name of user mail address of transmission user is registered in a permitted domain name table.

SOLUTION: When the electronic mail of an image information transfer request is received, a network facsimile equipment FX analyzes the contents of header information in the received electronic mail and investigates whether or not the domain name of mail address of transmission source user matches a previously registered domain name. When the domain name of user address of transmission source in the electronic mail received at that time matches with the previously registered domain name, the telephone number of the repetition destination is recognized. The contents of text information are inversely transformed by a base-encoding system, and the transmission image information is prepared. Then, a call is originated to the recognized repetition destination, while using a public network and the prepared transmission image information is transmitted.

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[Derwent Week] 1999-10 [Patent No.] JP10341306 A [Patentee] RICOH/RICOH KK

[Title] Network facsimile control method involves verifying whether user is authorised person by verifying mail address of user stored in permission magnetic domain name table

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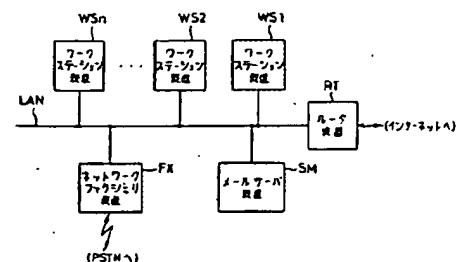
[IPC] H04L-012/28, H04L-012/46, H04N-001/00, H04N-001/21

[Derwent Classification]

(EPI) W01, W02

[Manual Code]

(Electrical) W01-A06B5, W01-A06G3, W02-J03C7, W02-J03C8



[Abstract]

First Section: NOVELTY - The method involves verifying whether a user who receives the image data through a local area network is an authorised user by verifying the mail address of the user in a permission magnetic domain name table. When the user is detected to be an authorised user, the image data is transmitted to a facsimile (FX) of the designated public network.

USE: None given.

ADVANTAGE: An unauthorised usage by an incorrect user is prevented. DESCRIPTION OF DRAWING(S) - The block diagram shows a network system (FX) Facsimile.

Reference No.4 (Japanese Laid-Open Patent publication Hei 10-341306)

The paragraph [0001]

“ the present invention relates to a method for controlling a network facsimile apparatus which transmits and receives data on a local area network, transmits and receives facsimile data via a public telephone line based on a facsimile communication procedure. The network facsimile apparatus receives an e-mail via the local area network, stores image data included in the received e-mail, and, after that, transmits the image data to a facsimile apparatus, designated by the e-mail, via the public telephone line.”

The paragraph [0037]

“ And ‘a user name’ and a mail address of a transmitting user (‘user1@****.co.jp’) are set in a ‘From’ field of a header information of the e-mail. ‘A telephone number of a transfer destination’ indicating a telephone number of a facsimile apparatus, to which data is transferred, is set in a ‘subject’ field. ‘A MUA application name’ indicating an application name of MUA (Mail User Agent), which the transmitting user used, are set in a ‘X-mailer’ field.”

The paragraph [0038]

“ Transmitting image data is coded by a base 64 coding method, and then is set in a main context information.”